

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Canceled)

2. (Currently Amended) A hard disk drive according to claim ~~1~~26, further comprising command transmitting means, based on the recognition of the recognizing means, for transmitting a command requesting the growth program to the parent hard disk drive.

3. (Currently Amended) A hard disk drive according to claim ~~1~~26, further comprising storing means for storing in a memory the growth program executed by the execution means;

wherein, if the hard disk drive is thereafter connected to another hard disk drive in which the optimization/inspection process has not yet been completed, the growth program stored in the storing means is supplied to the another hard disk drive.

4. (Currently Amended) A hard disk drive according to claim ~~1~~26, wherein: circuitry on the parent hard disk drive controls a predetermined part of the optimization/inspection process to be executed by the execution means.

5. (Currently Amended) A hard disk drive comprising:
logic for sending a request command for a growth program to an optimized hard disk drive;

a ROM that stores a basic program that receives a the growth program for performing self-optimization;~~and~~

a MPU for receiving the growth program according to the basic program stored in the ROM, and performing the self-optimization by the received growth program; and

a connector for connecting to a non-optimized hard disk drive that has a disk that has not been optimized and for transmitting the growth program to the non-optimized hard disk drive.

6. (Original) A hard disk drive according to claim 5, wherein:
the basic program stored in the ROM includes a function of recognizing that the hard disk drive is in a state in which the self-optimization has not yet been performed; and
the MPU recognizes its own state according to the basic program.

7. (Currently Amended) A hard disk drive according to claim 5, wherein:
the basic program stored in the ROM includes a function of ~~for~~ transmitting a the command requesting the growth program to a ~~parent~~ the optimized hard disk drive to be connected.

8. (Original) A hard disk drive according to claim 5, wherein:
after the optimization ends, the MPU stores the growth program in a predetermined memory.

9. (Canceled)

10. (Currently Amended) A hard disk drive according to claim 928, further comprising:

receiving means for receiving a request command for the first program from the unfinished hard disk drive;

wherein the supplying means supplies the first program on the basis of the request command received by the receiving means.

11. (Currently Amended) A hard disk drive according to claim 928, wherein:
said first program includes a function of executing optimization/inspection processing, and the hard disk drive further includes execution means for executing part of the optimization/inspection processing on the unfinished hard disk drive.

12. (Previously Presented) A hard-disk-drive optimization method, using a first hard disk drive where optimization processing has already been completed, for executing the optimization processing on a second hard disk drive where the optimization processing has not yet been completed, said method comprising the steps of:

completing an optimization processing of the first hard drive with information used for optimization;

supplying the information used for optimization, which is included in the first hard disk drive, from the first hard disk drive to the second hard disk drive; and

controlling, according to the supplied information used for optimization, the second hard disk drive to execute processes so as to mature into an optimized hard disk drive.

13. (Original) A hard-disk-drive optimization method according to claim 12, further comprising the steps of:

recognizing by the second hard disk drive itself that the optimization processing to be performed on the second hard disk drive has not yet been completed; and

issuing, according to the recognition, a command requesting the information used for optimization to the first hard disk drive.

14. (Canceled)

15. (Original) A hard-disk-drive optimization method according to claim 12, further comprising the step of:

after the second hard disk drive has completed the optimization processing, supplying the information used for optimization from the second hard disk drive to a third hard disk drive in which the optimization processing has not yet been completed.

16. (Previously Presented) A hard-disk-drive optimization method according to claim 12, wherein:

the information used for optimization, which is supplied from the first hard disk drive, includes a growth program by which the second hard disk drive executes optimization processes.

17. (Previously Presented) A hard-disk-drive optimization method according to claim 16, wherein:

the information used for optimization, which is supplied from the first hard disk drive, includes a test code possessed by the first hard disk drive.

18. (Original) A hard-disk-drive optimization method according to Claim 12, wherein:

the first hard disk drive executes part of the optimization processing to be executed by the second hard disk drive.

19-21. (Canceled)

22. (Currently Amended) A computer readable medium according to claim ~~24~~27, wherein:

the recognizing function recognizes that the optimization/inspection process to be performed on the hard disk device has not yet been completed, by checking whether or not information specific to the hard disk drive is stored, or by checking whether or not servo information is written to a disk of the hard disk device.

23. (Previously Presented) A computer readable medium encoded with program instructions for controlling a processor built into a hard disk drive to implement the functions of:

receiving, at the hard disk drive from another hard disk drive in which a optimization/inspection process has only been partially completed, a request for a growth program by which the another hard disk drive executes the optimization/inspection process by itself;

reading out the growth program stored in a memory of the hard disk drive; and

supplying the another hard disk drive with the growth program read out.

24. (Previously Presented) A computer readable medium according to claim 23, further implementing the function of:

executing a part of the optimization/inspection process of the another hard disk drive.

25. (Previously Presented) A computer readable medium encoded with program instructions for controlling a processor built into a hard disk drive to implement the functions of:

writing servo information to a disk of the hard disk drive by use of information exported from another hard disk drive;

executing an inspection process on the hard disk drive by use of the information exported from the another hard disk drive; and

exporting information to a third hard disk drive for the third disk drive to execute an inspection process.

26. (Currently Amended) ~~The hard disk drive according to claim 1~~ A hard disk drive comprising:

recognizing means used for recognizing that an optimization/inspection process to be performed on the hard disk device has not yet been completed;

growth-program receiving means, based on the recognition of the recognizing means, for receiving from a parent hard disk drive connected to the hard disk drive a growth program necessary for performing the optimization/inspection process on the hard disk drive itself; and

execution means, based on the growth program received by the growth-program receiving means, for executing the optimization/inspection process on the hard disk drive itself,

wherein the recognizing means checks one or more values stored in an EEPROM of the hard disk drive to recognize that an optimization/inspection process to be performed on the hard disk device has not yet been completed.

27. (Currently Amended) ~~A computer-readable medium according to claim 21~~
A computer readable medium encoded with program instructions for controlling a processor built into a hard disk drive to implement the functions of:

recognizing that an optimization/inspection process to be performed on the hard disk drive has not yet been completed;

requesting, based on the recognition, another hard disk drive to supply a growth program that is required to perform the optimization/inspection process by the hard disk drive itself; and

receiving, based on the request, the growth program supplied from said another hard disk drive; wherein the optimization/inspection process is such that it is required to be executed prior to writing any user data to magnetic disks of the hard disk drive.

28. (Currently Amended) ~~A hard disk drive according to claim 9, further comprising:~~ A hard disk drive comprising:

connection means adapted to be connected to an unfinished hard disk drive where servo information is not written to a disk;

storing means for storing a first program by which the unfinished hard disk drive writes servo information to at least one disk of the unfinished hard disk drive and by which the hard disk drive writes servo information to at least one disk of the hard disk drive;

supplying means for supplying the unfinished hard disk drive with the first program stored in the storing means; and

requesting means for sending a request command for the first program from a finished hard disk drive.

29. (New) A hard-disk-drive optimization method according to claim 12, wherein the optimization of the second hard disk drive includes writing servo information to a disk of the second hard disk itself.

30. (New) A hard-disk-drive optimization method according to claim 12, wherein the optimization of the second hard disk drive includes performing an inspection on the second hard disk itself.

31. (New) A hard disk drive according to claim 28, further comprising a ROM that stores a basic program that receives the first program.

32. (New) A hard disk drive according to claim 31, wherein the basic program includes a function of recognizing that the hard disk drive is in a state in which the servo information has not been written to at least one disk of the hard disk drive; and further comprising an MPU that performs the writing of the servo information and that recognizes its own state according to the first program.

33. (New) A hard disk drive according to claim 32, wherein after the optimization ends, the MPU stores the first program in a predetermined memory.